

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2004

BUDGET ACTIVITY

3 - Advanced technology development

PE NUMBER AND TITLE

0603125A - Combating Terrorism, Technology Development for

COST (In Thousands)		FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate
Total Program Element (PE) Cost		41822	8610	3383	0	0	0	0
DF1	SURVIVABILITY & DENIAL	0	4856	3383	0	0	0	0
DF2	DETERRENCE, INDICATION & WARNINGS	33437	1778	0	0	0	0	0
DF3	CONSEQUENCE MANAGEMENT & RECOVERY	1430	1976	0	0	0	0	0
DF4	ATTRIBUTION & RETALIATION	6955	0	0	0	0	0	0

A. Mission Description and Budget Item Justification: The objective of this program element is to mature and demonstrate advanced survivability engineering technologies against asymmetric threats in support of the Future Force and, where feasible, exploits opportunities to enhance Current Force capabilities. Base Camp Protection will demonstrate a survivability planning capability and lightweight low-cost blast/ballistic protective measures. This will increase base camp survivability of personnel and equipment against advanced conventional weapons and terrorist threats, reduce logistics requirements, and enhance the capability of the Future Force in low-intensity conflicts and peacekeeping operations. The cited work is consistent with Strategic Planning Guidance, Army Science and Technology Master Plan (ASTMP), the Army Modernization Plan, and the Defense Technology Area Plan (DTAP). Work in this program element is performed by the U.S. Army Engineer Research and Development Center that is headquartered at Vicksburg, Mississippi.

\$41842 in Defense Emergency Response Funds were provided to this program element in FY03.

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<u>B. Program Change Summary</u>	FY 2003	FY 2004	FY 2005
Previous President's Budget (FY 2004)	41842	4916	3436
Current Budget (FY 2005 PB)	41822	8610	3383
Total Adjustments	-20	3694	-53
Congressional program reductions		-74	
Congressional rescissions			
Congressional increases		3800	
Reprogrammings	-20	-32	
SBIR/STTR Transfer			
Adjustments to Budget Years			-53

Significant Change Explanation.

FY04 - Two FY04 Congressional adds totaling \$3800 were added to this PE.

FY04 Congressional adds with no R-2A:

(\$1726) Detecting Contaminants in Drinking Water, Project DF2: The purpose of this one year Congressional add is to research methods of detecting contaminants in drinking water. No additional funding is required to complete this project.

(\$1919) Information Security System, Project DF3: The purpose of this one year Congressional add is to support the implementation of an information security system to increase the survivability of Army computer systems in the event of a cyber attack. No additional funding is required to complete this project.

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3 - Advanced technology development

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0603125A - Combating Terrorism, Technology Development for

PROJECT
DF1

COST (In Thousands)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate
DF1 SURVIVABILITY & DENIAL	0	4856	3383	0	0	0	0

A. Mission Description and Budget Item Justification: The objective of this project is to mature and demonstrate advanced survivability engineering technologies against asymmetric threats in support of the Future Force and, where feasible, exploits opportunities to enhance Current Force capabilities. Technologies demonstrated within this project are transitioned from program element 0602784A (Military Engineering Technology), project T40. Base Camp Protection will demonstrate a survivability planning capability and lightweight low-cost blast/ballistic protective measures. This will increase base camp survivability of personnel and equipment against advanced conventional weapons and terrorist threats, reduce logistics requirements, and enhance the capability of the Future Force in low-intensity conflicts and peacekeeping operations. The cited work is consistent with Strategic Planning Guidance, the Army Science and Technology Master Plan (ASTMP), the Army Modernization Plan, and the Defense Technology Area Plan (DTAP). Work in this project is performed by the U.S. Army Engineer Research and Development Center that is headquartered at Vicksburg, Mississippi.

Accomplishments/Planned Program	FY 2003	FY 2004	FY 2005
Base Camp Protection/Survivability – In FY04, develop capability for base camp planning and layout, and develop base camp survivability measures for blast and ballistic protection suitable for use by Stryker Brigade Combat Teams. In FY05, will demonstrate initial integration of weapons effects data, survivability assessment procedures, and the Anti-Terrorist (AT) planning software for base camp planning and assessment. Will demonstrate base camp survivability measures for blast and ballistic protection.	0	4715	3383
Small Business Innovative Research/Small Business Technology Transfer Programs	0	141	0
Totals	0	4856	3383